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NEWS 2	OCT 04	Precision of EMBASE searching enhanced with new chemical name field
NEWS 3	OCT 06	Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAplus.
NEWS 4	OCT 21	CA/CAplus kind code changes for Chinese patents increase consistency, save time
NEWS 5	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
NEWS 6	OCT 28	INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification.
NEWS 7	NOV 03	New format for Korean patent application numbers in CA/CAplus increases consistency, saves time.
NEWS 8	NOV 04	Selected STN databases scheduled for removal on December 31, 2010
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NEWS 14	DEC 21	CAS Learning Solutions -- a new online training experience
NEWS 15	DEC 22	Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAplus
NEWS 16	JAN 24	The new and enhanced DPCI file on STN has been released
NEWS 17	JAN 26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
NEWS 18	JAN 26	Updated MeSH vocabulary, new structured abstracts, and other enhancements improve searching in STN reload of MEDLINE
NEWS 19	JAN 28	CABA will be updated weekly
NEWS 20	FEB 23	PCTFULL file on STN completely reloaded
NEWS 21	FEB 23	STN AnaVist Test Projects Now Available for Qualified Customers
NEWS 22	FEB 25	LPCI will be replaced by LDPCI
NEWS 23	MAR 07	Pricing for SELECTing Patent, Application, and Priority Numbers in the USPAT and IFI Database Families is Now Consistent with Similar Patent Databases on STN
NEWS 24	APR 26	Expanded Swedish Patent Application Coverage in CA/CAplus Provides More Current and Complete Information
NEWS 25	APR 28	The DWPI (files WPINDEX, WPIDS and WPIX) on STN have been enhanced with thesauri for the European Patent Classifications

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 NEWS 26  MAY 02  MEDLINE Improvements Provide Fast and Simple Access to DOI and
                  Chemical Name Information
 NEWS 27  MAY 12  European Patent Classification thesauri added to the INPADOC
                  files, PCTFULL, GBFULL and FRFULL
 NEWS 28  MAY 20  PATDPA database updates to end in June 2011
 NEWS 29  MAY 23  STN biosequence searches with enhanced performance
 NEWS 30  MAY 23  Free Trial of the Numeric Property Search Feature
                  in PCTFULL on STN

 NEWS EXPRESS 17 DECEMBER 2010 CURRENT WINDOWS VERSION IS V8.4.2 .1,
          AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.23       0.23

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DICTIONARY FILE UPDATES:  19 MAY 2011  HIGHEST RN 1297653-71-4

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html
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=> s coenzyme q10/cn
L1           1 COENZYME Q10/CN

=> d

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2011 ACS on STN
RN   303-98-0  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-
     3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-
     tetracontadecaen-1-yl]-5,6-dimethoxy-3-methyl-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   2,5-Cyclohexadiene-1,4-dione, 2-(3,7,11,15,19,23,27,31,35,39-decamethyl-
     2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl-,
     (all-E)-
CN   2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-
     3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-
     tetracontadecaenyl]-5,6-dimethoxy-3-methyl- (9CI)
CN   Coenzyme Q10 (6CI)
CN   p-Benzoquinone, 2-(3,7,11,15,19,23,27,31,35,39-decamethyl-
     2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl-
     (8CI)
OTHER NAMES:
CN   (all-E)-2-(3,7,11,15,19,23,27,31,35,39-Decamethyl-
     2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl-2,5-
     cyclohexadiene-1,4-dione
CN   Aqua Q 10L10
CN   Aqua Q10
CN   Bio-Quinon
CN   Bio-Quinone Q10
CN   CoQ10
CN   Cosmesome Q 10
CN   Ensorb
CN   Kaneka Q10
CN   Kudesan
CN   Li-Q-Sorb
CN   Liquid-Q
CN   Neuquinon
CN   Neuquinone
CN   NSC 140865
CN   PureSorb Q 40
CN   Q 10AA
CN   Q-absorb
CN   Q-Gel
CN   Q-Gel 100
CN   Ubidecarenone
CN   Ubiquinone 10
CN   Ubiquinone 50
CN   Ubiquinone Q10
CN   Unispheres Q 10
CN   Vitamin Q
FS   STEREOSEARCH
DR   13448-14-1, 55127-92-9, 55870-43-4
MF   C59 H90 O4
CI   COM
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
       CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, DDFU, DRUGU, EMBASE,
       IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PIRA, PS,
       REAXYSFILE*, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, USPATOLD, VETU
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, NDSL**, TSCA**, WHO
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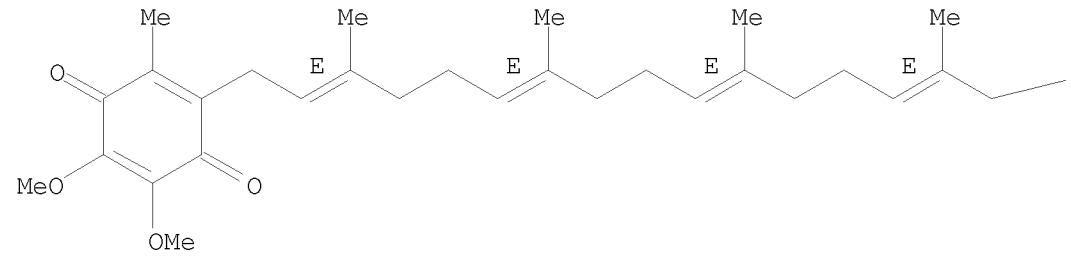
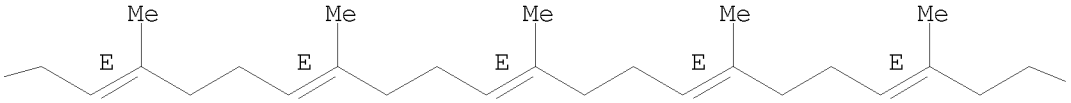
(**Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



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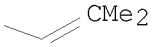

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6177 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2011 ACS on STN
RN 303-98-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaen-1-yl]-5,6-dimethoxy-3-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2,5-Cyclohexadiene-1,4-dione, 2-(3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl-, (all-E)-
CN 2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl]-5,6-dimethoxy-3-methyl- (9CI)
CN Coenzyme Q10 (6CI)
CN p-Benzoquinone, 2-(3,7,11,15,19,23,27,31,35,39-decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl- (8CI)
OTHER NAMES:
CN (all-E)-2-(3,7,11,15,19,23,27,31,35,39-Decamethyl-

2,6,10,14,18,22,26,30,34,38-tetracontadecaenyl)-5,6-dimethoxy-3-methyl-2,5-cyclohexadiene-1,4-dione

CN Aqua Q 10L10
CN Aqua Q10
CN Bio-Quinon
CN Bio-Quinone Q10
CN CoQ10
CN Cosmesome Q 10
CN Ensorb
CN Kaneka Q10
CN Kudesan
CN Li-Q-Sorb
CN Liquid-Q
CN Neuquinon
CN Neuquinone
CN NSC 140865
CN PureSorb Q 40
CN Q 10AA
CN Q-absorb
CN Q-Gel
CN Q-Gel 100
CN Ubidecarenone
CN Ubiquinone 10
CN Ubiquinone 50
CN Ubiquinone Q10
CN Unispheres Q 10
CN Vitamin Q
FS STEREOSEARCH
DR 13448-14-1, 55127-92-9, 55870-43-4
MF C59 H90 O4
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PIRA, PS, REAXYSFILE*, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, USPATOLD, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**, WHO
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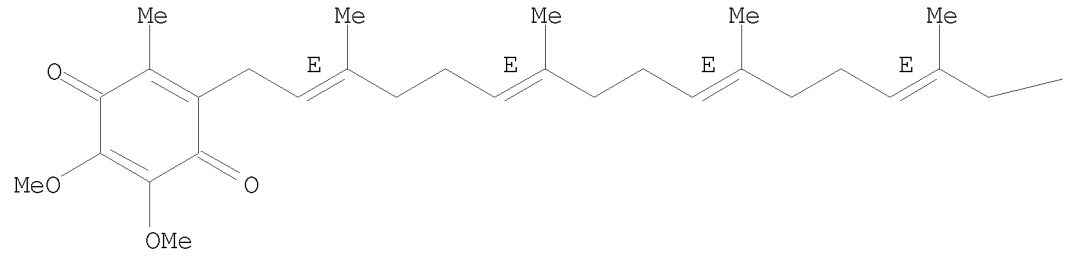
Double bond geometry as shown.

PAGE 1-A



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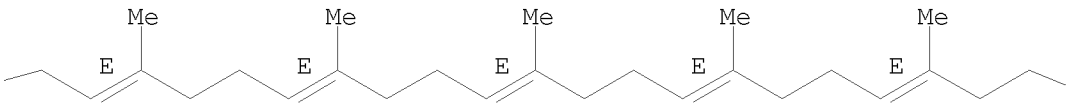

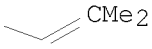

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6130 REFERENCES IN FILE CA (1907 TO DATE)
81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6177 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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FULL ESTIMATED COST	12.04	12.27

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FILE COVERS 1907 - 23 May 2011 VOL 154 ISS 22
FILE LAST UPDATED: 22 May 2011 (20110522/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2011

CAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1 and melanoma

6177	L1	
50451	MELANOMA	
4724	MELANOMAS	
19	MELANOMATA	
51075	MELANOMA	(MELANOMA OR MELANOMAS OR MELANOMATA)
L2 17	L1 AND MELANOMA	

=> d ti total

L2 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Methods for treatment of oncological disease using an epimetabolic shifter (coenzyme Q10)

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Methods for the diagnosis of oncological disorders using epimetabolic shifters, multidimensional intracellular molecules, or environmental influencers

L2 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Methods for treatment of oncological disorders using epimetabolic shifters, multidimensional intracellular molecules, or environmental influencers

L2 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Methods for promoting cellular health and treatment of cancer with compounds including natural products

L2 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Drug Effects Viewed from a Signal Transduction Network Perspective

L2 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Methods and use of exogenous coenzyme Q10, or a metabolite thereof, for inducing apoptosis in cancer cells

L2 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Nonviral vectors for delivering polynucleotides to target tissue and uses in gene therapy

L2 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Inhibitory effect on melanin formation, collagenase and elastase activity by synthesized coenzyme Q10 derivatives

L2 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Natural product compositions for promoting cellular health and treatment of cancer

L2 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Topical formulations comprising lipophilic bioactive agents having enhanced bioavailability

L2 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Foamable vehicle and vitamin and flavonoid pharmaceutical compositions thereof for treatment of skin and other disorders

L2 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells

L2 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Recombinant interferon α-2b and coenzyme Q10 as a postsurgical adjuvant therapy for melanoma: a 3-year trial with recombinant interferon-α and 5-year follow-up

L2 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Topically applied glucosamine sulfate and all its related, precursor, and derivative compounds significantly increases the skin's natural production of hyaluronic acid for the rejuvenation of healthier younger-looking skin; while phosphatidylcholine is required to replace its deficiency caused by

topical dimethylaminoethanol (DMAE)

L2 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Therapeutic combination of ascorbate with lysine or arginine for prevention and treatment of cancer

L2 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Enhancing effect of coenzyme Q10 on immunorecovery with BCG in tumor-bearing mice in relation to changes in coenzyme Q content and ATPase activity in spleen lymphocytes of tumor-bearing rats

L2 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
TI Enhancing effect of coenzyme Q10 on immunorestoration with Mycobacterium bovis BCG in tumor-bearing mice

=> d ibib abs 6, 10-17

L2 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:1260432 CAPLUS
DOCUMENT NUMBER: 151:418146
TITLE: Methods and use of exogenous coenzyme Q10, or a metabolite thereof, for inducing apoptosis in cancer cells
INVENTOR(S): Narain, Niven Rajin; Persaud, Indushekhar; McCook, John Patrick
PATENT ASSIGNEE(S): Cytotech Labs, LLC, USA
SOURCE: PCT Int. Appl., 54pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009126764	A1	20091015	WO 2009-US39992	20090409
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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AU 2009233785	A1	20091015	AU 2009-233785	20090409
CA 2721071	A1	20091015	CA 2009-2721071	20090409
KR 2010136997	A	20101229	KR 2010-7025030	20090409
EP 2271325	A1	20110112	EP 2009-730148	20090409
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PRIORITY APPLN. INFO.: US 2008-44085P P 20080411
WO 2009-US39992 W 20090409

AB The invention provides a method for inducing apoptosis in a cancer cell by delivery of exogenous coenzyme Q1O or metabolites thereof in a pharmaceutically acceptable carrier to effectuate cell contact of

endogenous coenzyme Q10 or metabolites thereof in addition to but not limited to mevalonic acid and oleic acid to form an intracellular complex. The invention also provides a method for modulating the p53 pathway and Bcl-2 protein family in a manner that restores the apoptotic potential to a cancer cell by delivery of coenzyme Q10 in a pharmaceutically acceptable carrier. The invention further provides a method to specifically normalize the ratio of pro-apoptotic and anti-apoptotic members of the Bcl-2 gene family in a proportion to re-program a cancer cell to undergo apoptosis.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2008:1156621 CAPLUS
DOCUMENT NUMBER: 149:409737
TITLE: Topical formulations comprising lipophilic bioactive agents having enhanced bioavailability
INVENTOR(S): McCook, John Patrick; Narain, Niven Rajin; Persaud, Indushekhar
PATENT ASSIGNEE(S): Pathfinder Management, Inc., USA
SOURCE: PCT Int. Appl., 68pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2008116135	A2	20080925	WO 2008-US57786		20080321
WO 2008116135	A3	20081224			
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
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CA 2680825	A1	20080925	CA 2008-2680825		20080321
US 20080233183	A1	20080925	US 2008-52825		20080321
EP 2136787	A2	20091230	EP 2008-732635		20080321
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NO 2009003032	A	20091022	NO 2009-3032		20090921
MX 2009010170	A	20091126	MX 2009-10170		20090922
PRIORITY APPLN. INFO.:			US 2007-919554P	P	20070322
			WO 2008-US57786	W	20080321

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The present disclosure provides compns. suitable for delivering lipophilic bioactive agents. The compns. may be utilized to treat numerous diseases and conditions that would benefit from the application of a lipophilic bioactive agent. Thus, a cream contained Polysorbate-80 25.000, ubidecarenone 21.000, propylene glycol 10.000, phenoxyethanol 0.500, water 35.500, and lecithin 8.000%.

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L2 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2008:349028 CAPLUS
DOCUMENT NUMBER: 148:338999
TITLE: Foamable vehicle and vitamin and flavonoid pharmaceutical compositions thereof for treatment of skin and other disorders
INVENTOR(S): Tamarkin, Dov; Friedman, Doron; Eini, Meir; Berman, Tal; Schuz, David
PATENT ASSIGNEE(S): Foamix Ltd., Israel
SOURCE: U.S. Pat. Appl. Publ., 57pp., Cont.-in-part of U.S. Ser. No. 430,599.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 37
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080069779	A1	20080320	US 2007-900072	20070910
US 7820145	B2	20101026	US 2004-835505	20040428
US 20050031547	A1	20050210		
AU 2004313285	A1	20050929	AU 2004-313285	20041216
ZA 2005007018	A	20080227	ZA 2005-7018	20041216
US 20060275218	A1	20061207	US 2006-430599	20060509
US 7704518	B2	20100427		
AU 2006298442	A1	20070412	AU 2006-298442	20060509
CA 2609953	A1	20070412	CA 2006-2609953	20060509
WO 2007039825	A2	20070412	WO 2006-IB3628	20060509
WO 2007039825	A3	20080306		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2006313443	A1	20070518	AU 2006-313443	20060509
CA 2610662	A1	20070518	CA 2006-2610662	20060509
WO 2007054818	A2	20070518	WO 2006-IB3519	20060509
WO 2007054818	A3	20081023		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				

EP 1888032		A2	20080220	EP 2006-831721	20060509
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU					
EP 1893396		A2	20080305	EP 2006-809259	20060509
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU					
JP 2008540508		T	20081120	JP 2008-510676	20060509
JP 2008540511		T	20081120	JP 2008-510679	20060509
BR 2006012428		A2	20101109	BR 2006-12428	20060509
BR 2006012448		A2	20101123	BR 2006-12448	20060509
ZA 2007010621		A	20090325	ZA 2007-10621	20070101
MX 2007014106		A	20080829	MX 2007-14106	20071109
MX 2007014101		A	20090213	MX 2007-14101	20071109
IN 2007KN04432		A	20080125	IN 2007-KN4432	20071203
IN 2007KN04590		A	20080704	IN 2007-KN4590	20071203
ZA 2007010619		A	20090826	ZA 2007-10619	20071204
PRIORITY APPLN. INFO.:				US 2003-492385P	P 20030804
				US 2003-530015P	P 20031216
				US 2004-835505	A2 20040428
				US 2005-679020P	P 20050509
				US 2006-784793P	P 20060321
				US 2006-430599	A2 20060509
				US 2006-843140P	P 20060908
				WO 2006-IB3519	W 20060509
				WO 2006-IB3628	W 20060509

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Vitamin and flavonoid containing compns. are provided that are stable to degradation Stabilized compns. include one or more features including a hygroscopic solvent at a sufficient concentration to provide an Aw value of the hygroscopic vitamin and or flavonoid containing composition of less than 0.9, antioxidant flavonoids that are preferentially oxidized before the vitamin, preservatives, and hydrocarbon propellants selected to reduce the oxidation potential of the composition Thus, a foamable carrier was prepared containing propylene glycol 88.00, stearyl alc. 2.00, hydroxypropyl cellulose 2.00, Laureth-4 2.00, GMS NE 2.00, macrogol cetostearyl ether 1.00, and PPG-15 stearyl ether 3.00%, resp. Ascorbic acid and niacinamide were concurrently added to the carrier at 5.00% and 2.00%, resp. Following addition of a propellant, the foamable composition was obtained, which upon release from an aerosol pressurized container afforded foam of good quality. The foam was easily spread and immediately absorbed into the facial skin with no extensive rubbing.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L2 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2008:158782 CAPLUS

DOCUMENT NUMBER: 149:370392

TITLE: Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells

AUTHOR(S): Schallreuter, Karin U.; Rokos, Hartmut; Chavan, Bhaven; Gillbro, Johanna M.; Cemeli, Eduardo; Zothner, Carsten; Anderson, Diana; Wood, John M.

CORPORATE SOURCE: Clinical and Experimental Dermatology, Department of Biomedical Sciences, University of Bradford, Bradford, BD7 1DP, UK

SOURCE: Free Radical Biology & Medicine (2008), 44(4), 538-546

CODEN: FRBMEH; ISSN: 0891-5849

PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Quinones are potentially dangerous substances generated from quinols via the intermediates semiquinone and H2O2. Low semiquinone radical concns. are acting as radical scavengers while high concns. produce reactive oxygen species and quinones, leading to oxidative stress, apoptosis, and/or DNA damage. Recently it was recognized that thioredoxin reductase/thioredoxin (TR/T) reduces both p- and o-quinones. In this report we examine addnl. reduction mechanisms for p- and o-quinones generated from hydroquinone (HQ) and coenzyme Q10 and by 17β-estradiol by the common cofactor 6(R)-L-erythro-5,6,7,8-tetrahydrobiopterin (6BH4). These results confirmed that TR reduces the p-quinone 1,4 benzoquinone and coenzyme Q10-quinone back to HQ and coenzyme Q10-quinol, resp., while 6BH4 has the capacity to reduce coenzyme Q10-quinone and the o-quinone produced from 17β-estradiol. 6BH4 is present in the cytosol and in the nucleus of epidermal melanocytes and keratinocytes as well as melanoma cells and colocalises with TR/T. Therefore we conclude that both mechanisms are major players in the prevention of quinone-mediated oxidative stress and DNA damage.
OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2007:539153 CAPLUS
DOCUMENT NUMBER: 147:363216
TITLE: Recombinant interferon α-2b and coenzyme Q10 as a postsurgical adjuvant therapy for melanoma: a 3-year trial with recombinant interferon-α and 5-year follow-up
AUTHOR(S): Rusciani, Luigi; Proietti, Ilaria; Paradisi, Andrea; Rusciani, Antonio; Guerriero, Giuseppe; Mammone, Alessia; De Gaetano, Andrea; Lippa, Silvio
CORPORATE SOURCE: Department of Dermatology, Catholic University of the Sacred Heart, Rome, Italy
SOURCE: Melanoma Research (2007), 17(3), 177-183
CODEN: MREEEH; ISSN: 0960-8931
PUBLISHER: Lippincott Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Early surgical intervention remains the most successful therapy for melanoma. Despite better outcomes observed in soft tissue and lymph node metastases, the results of pharmacol. therapies are still disappointing. Currently, there is no standard adjuvant therapy for melanoma. Low concns. of coenzyme Q10 have been demonstrated in melanoma cell lines and in sera of melanoma patients. These data and the results of clin. trials of patients with other advanced cancers prompted this study of the long-term administration of an optimized dose of recombinant interferon α-2b and coenzyme Q10 to patients with stage I and II melanoma. A 3-yr trial envisaging uninterrupted treatment with low-dose recombinant interferon α-2b (9,000,000 IU weekly) administered twice daily and coenzyme Q10 (400 mg/day) was conducted in patients with stage I and II melanoma (American Joint Committee on Cancer criteria 2002) and surgically removed lesions. Treatment efficacy was evaluated as incidence of recurrences at 5 years. All patients completed the treatment and the follow-up. Significantly different rates of disease progression were observed in the interferon + coenzyme Q10 and the interferon group for both stages. No patient withdrew from the study owing to side effects.

Long-term administration of an optimized dose of recombinant interferon α-2b in combination with coenzyme Q10 seemed to induce significantly decreased rates of recurrence and had negligible adverse effects. A survival study could not be undertaken owing to the small patient sample and the short duration of follow-up.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 92 THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2007:458900 CAPLUS

DOCUMENT NUMBER: 146:427847

TITLE: Topically applied glucosamine sulfate and all its related, precursor, and derivative compounds significantly increases the skin's natural production of hyaluronic acid for the rejuvenation of healthier younger-looking skin; while phosphatidylcholine is required to replace its deficiency caused by topical dimethylaminoethanol (DMAE)

INVENTOR(S): Jacobs, Eric

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 13pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070092469	A1	20070426	US 2006-527334	20060927
PRIORITY APPLN. INFO.:			US 2005-729947P P	20051026

AB A topical skin rejuvenation preparation comprises (i) about 0.001 to 50% of glucosamine (2-amino-2-deoxy-alpha-D-glucose), a hexosamine (6 carbon amino sugar), including its derivative and precursor compds., glucosamine sulfate, glucosamine hydrochloride, glucose-6-phosphate, acetyl glucosamine, fructose-6-phosphate, and glucosamine-6-phosphate to increase production of hyaluronic acid and collagen and to relieve wrinkles, increase the skin's natural production of hyaluronic acid, reverse the lack of suppleness, hydrate from within, erase spider veins, reduce varicose veins, lighten aging dark blotches ("liver spots"/lentigos, senile lentigines), decrease acne, and reduce under eye puffiness, (ii) 0.0001 to 50% of dimethylaminoethanol (DMAE) to increase skin muscle tone, and (iii) 0.01 to 30% of phosphatidylcholine to overcome deficiency created by application of DMAE in each cell's production of phosphatidylcholine, whose deficiency damages cell membranes, as well as mitochondrial and lysosome membranes.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L2 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:272794 CAPLUS

DOCUMENT NUMBER: 136:299725

TITLE: Therapeutic combination of ascorbate with lysine or arginine for prevention and treatment of cancer

INVENTOR(S): Rath, Matthias

PATENT ASSIGNEE(S): Rath, Matthias, Dr. Med., Neth.

SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1195159	A1	20020410	EP 2000-121950	20001009
EP 1195159	B1	20060531		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
AT 327747	T	20060615	AT 2000-121950	20001009
PT 1195159	E	20060831	PT 2000-121950	20001009
ES 2261136	T3	20061116	ES 2000-121950	20001009
TR 2001000124	A2	20020821	TR 2001-124	20010117

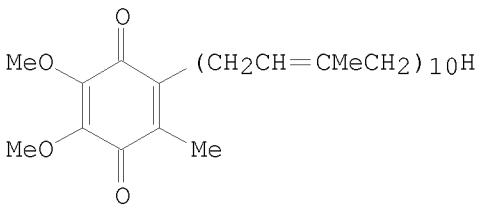
PRIORITY APPLN. INFO.: EP 2000-121950 A 20001009

AB A therapeutic composition for the prevention and treatment of different forms of cancer in very elevated dosages of ascorbic acid and salts, L-Lysine and L-proline, vitamins and trace elements.

OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1979:400384 CAPLUS
DOCUMENT NUMBER: 91:384
ORIGINAL REFERENCE NO.: 91:83a,86a
TITLE: Enhancing effect of coenzyme Q10 on immunorecovery with BCG in tumor-bearing mice in relation to changes in coenzyme Q content and ATPase activity in spleen lymphocytes of tumor-bearing rats
AUTHOR(S): Kawase, Ichiro; Taniguchi, Takeshi; Saijo, Nagahiro; Niitani, Hisanobu
CORPORATE SOURCE: Dep. Intern. Med., Natl. Cancer Cent. Hosp., Japan
SOURCE: Gan to Kagaku Ryoho (1979), 6(2), 281-8
CODEN: GTKRDX; ISSN: 0385-0684
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
GI



I

AB The activity of oligomycin-sensitive ATPase [9000-83-3] and the content of coenzyme Q in the spleen lymphocytes were decreased in tumor-bearing rats. Administration of coenzyme Q10 (I) [303-98-0] increased the ATPase level to a normal range. In mice bearing syngeneic melanoma, treatment with BCG increased cell-mediated immune responses, and this effect of BCG was enhanced by administration of coenzyme Q10.

L2 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1978:561394 CAPLUS
DOCUMENT NUMBER: 89:161394

ORIGINAL REFERENCE NO.: 89:25019a,25022a
TITLE: Enhancing effect of coenzyme Q10 on immunorestoration with Mycobacterium bovis BCG in tumor-bearing mice
AUTHOR(S): Kawase, Ichiro; Niitani, Hisanobu; Saijo, Nagahiro; Sasaki, Haruo; Morita, Tatsuhide
CORPORATE SOURCE: Natl. Cancer Cent. Hosp., Tokyo, Japan
SOURCE: Gann (1978), 69(4), 493-7
CODEN: GANNA2; ISSN: 0016-450X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The effect of the addnl. treatment with coenzyme Q10 on immunorestoration with M. bovis BCG in tumor-bearing mice was investigated. Cell-mediated cytotoxicity in tumor-bearing mice against alloantigenic tumor cells was determined by 51Cr release assay using spleen cells of C57BL/6N mice which had been inoculated s.c. with syngeneic melanoma-B16 and immunized i.p. with alloantigenic mastocytoma P815-X2 cells. The cell-mediated cytotoxicity against mastocytoma P815-X2 cells was gradually depressed with the growth of melanoma-B16. The depressed, cell-mediated cytotoxicity in tumor-bearing mice recovered slightly by the treatment with BCG. The recovery effect of BCG on the depressed, cell-mediated cytotoxicity was significantly enhanced by the addnl. treatment with coenzyme Q10. Coenzyme Q10 did not have an apparent effect on the depressed, cell-mediated cytotoxicity in tumor-bearing mice. These results show that coenzyme Q10 enhances the immunorestoration with BCG in tumor-bearing mice.
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

=> file biosis medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	46.80	59.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-7.83	-7.83

FILE 'BIOSIS' ENTERED AT 15:31:13 ON 23 MAY 2011

FILE 'MEDLINE' ENTERED AT 15:31:13 ON 23 MAY 2011

=> s coenzyme (A) Q?
L3 7822 COENZYME (A) Q?

=> s ubiquinone or ubidecarenone or ubiquinol or ubisemiquinone
L4 17037 UBIQUINONE OR UBIDECARENONE OR UBIQUINOL OR UBISEMIQUINONE

=> s l3 or l4
L5 21419 L3 OR L4

=> s l5 and melanoma
L6 41 L5 AND MELANOMA

=> d ti total

L6 ANSWER 1 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Involvement of oxidative stress in simvastatin-induced apoptosis of murine CT26 colon carcinoma cells.

L6 ANSWER 2 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Apoptotic affect of Ubiquinone precursors in melanoma.

L6 ANSWER 3 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI NORMALIZATION OF BCL-2 FAMILY MEMBERS IN BREAST CANCER BY COENZYME Q10.

L6 ANSWER 4 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Induction of p53 by Coenzyme Q10 via modulation of mdm2 and p14.

L6 ANSWER 5 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells.

L6 ANSWER 6 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Clinical complete long-term remission of a patient with metastatic malignant melanoma under therapy with indisulam (E7070).

L6 ANSWER 7 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Recombinant interferon alpha-2b and coenzyme Q(10) as a postsurgical adjuvant therapy for melanoma: a 3-year trial with recombinant interferon-alpha and 5-year follow-up.

L6 ANSWER 8 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Attenuation of tumor angiogenesis in routine melanoma model using liposomal formulation of Coenzyme Q10.

L6 ANSWER 9 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Coenzyme Q10: A novel bcl-2 drug target for the treatment of melanoma.

L6 ANSWER 10 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Coenzyme Q10 attenuates angiogenesis in melanoma.

L6 ANSWER 11 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Coenzyme Q10 induces apoptosis in human melanoma cells.

L6 ANSWER 12 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Topical formulation of coenzyme Q10 inhibits the growth of melanoma tumors.

L6 ANSWER 13 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Coenzyme Q10 inhibits the proliferation of oncogenic cells while stabilizing growth in primary cells in vitro.

L6 ANSWER 14 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Potential antitumor effects of statins (review).

L6 ANSWER 15 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Detection of mitochondrial DNA mutations in non-melanoma skin cancer: Possible genetic selection in tumorigenesis.

L6 ANSWER 16 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Atrophie blanche associated with interferon-alfa adjuvant therapy for melanoma: A cutaneous side effect related to the procoagulant activity of interferon?.

L6 ANSWER 17 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI A high-resolution integrated map spanning the SDHD gene at 11q23: A 1.1-Mb BAC contig, a partial transcript map and 15 new repeat polymorphisms in a tumour-suppressor region.

L6 ANSWER 18 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Alteration of antioxidants in normal melanocytes from patients with melanoma.

L6 ANSWER 19 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Imbalance in the antioxidant pool in melanoma cells and normal melanocytes from patients with melanoma.

L6 ANSWER 20 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI HIGH ACTIVITY OF MITOCHONDRIAL GLYCEROL PHOSPHATE DEHYDROGENASE IN INSULINOMAS AND CARCINOID AND OTHER TUMORS OF THE AMINE PRECURSOR UPTAKE DECARBOXYLATION SYSTEM.

L6 ANSWER 21 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI CYTOTOXIC EFFECT OF 1 METHYL-4-PHENYLPYRIDINIUM ION ON HUMAN MELANOMA CELL LINES HMV-II AND SK-MEL-44 IS DEPENDENT ON THE MELANIN CONTENTS AND CAUSED BY INHIBITION OF MITOCHONDRIAL ELECTRON TRANSPORT.

L6 ANSWER 22 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI STUDIES OF THE SPECIFIC ACTION OF CISPLATIN ON MITOCHONDRIAL DNA AND RESPIRATORY FUNCTIONS IN HUMAN MALIGNANT MELANOMA FROM GINGIVA.

L6 ANSWER 23 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI PREFERENTIAL BINDING OF CISPLATIN TO MITOCHONDRIAL DNA AND SUPPRESSION OF ATP GENERATION IN HUMAN MALIGNANT MELANOMA CELLS.

L6 ANSWER 24 OF 41 MEDLINE on STN
TI Involvement of oxidative stress in simvastatin-induced apoptosis of murine CT26 colon carcinoma cells.

L6 ANSWER 25 OF 41 MEDLINE on STN
TI Investigating idebenone and idebenone linoleate metabolism: in vitro pig ear and mouse melanocyte studies.

L6 ANSWER 26 OF 41 MEDLINE on STN
TI Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells.

L6 ANSWER 27 OF 41 MEDLINE on STN
TI Recombinant interferon alpha-2b and coenzyme Q10 as a postsurgical adjuvant therapy for melanoma: a 3-year trial with recombinant interferon-alpha and 5-year follow-up.

L6 ANSWER 28 OF 41 MEDLINE on STN
TI Low plasma coenzyme Q10 levels as an independent prognostic factor for melanoma progression.

L6 ANSWER 29 OF 41 MEDLINE on STN

TI Potential antitumor effects of statins (Review).

L6 ANSWER 30 OF 41 MEDLINE on STN
TI Activation of caspases and cleavage of Bid are required for tyrosine and phenylalanine deficiency-induced apoptosis of human A375 melanoma cells.

L6 ANSWER 31 OF 41 MEDLINE on STN
TI A high-resolution integrated map spanning the SDHD gene at 11q23: a 1.1-Mb BAC contig, a partial transcript map and 15 new repeat polymorphisms in a tumour-suppressor region.

L6 ANSWER 32 OF 41 MEDLINE on STN
TI Imbalance in the antioxidant pool in melanoma cells and normal melanocytes from patients with melanoma.

L6 ANSWER 33 OF 41 MEDLINE on STN
TI High activity of mitochondrial glycerol phosphate dehydrogenase in insulinomas and carcinoid and other tumors of the amine precursor uptake decarboxylation system.

L6 ANSWER 34 OF 41 MEDLINE on STN
TI Cytotoxic effect of 1-methyl-4-phenylpyridinium ion on human melanoma cell lines, HMV-II and SK-MEL-44, is dependent on the melanin contents and caused by inhibition of mitochondrial electron transport.

L6 ANSWER 35 OF 41 MEDLINE on STN
TI Preferential binding of cisplatin to mitochondrial DNA and suppression of ATP generation in human malignant melanoma cells.

L6 ANSWER 36 OF 41 MEDLINE on STN
TI Biological activity and mode of action of some dihydroorotic and dihydroazaorotic acid derivatives.

L6 ANSWER 37 OF 41 MEDLINE on STN
TI Immunostimulation. Clinical and experimental perspectives.

L6 ANSWER 38 OF 41 MEDLINE on STN
TI Enhancing effect of coenzyme, Q10 on immunorestoration with Mycobacterium bovis BCG in tumor-bearing mice.

L6 ANSWER 39 OF 41 MEDLINE on STN
TI [On the histochemical distribution of ubiquinone in the human skin. II. Pathologically altered skin and skin tumors].
Uber die Histotopie von Ubichinon in menschlicher Haut. II. Pathologisch veranderte Haut und Hauttumoren.

L6 ANSWER 40 OF 41 MEDLINE on STN
TI Ubiquinone concentrations in some tumour-bearing tissues. Ubiquinone concentrations in tumours and some normal tissues in man.

L6 ANSWER 41 OF 41 MEDLINE on STN
TI An attempt to develop a radioactive drug.

=> d ibib abs 2, 5-8, 10-13, 18, 19, 26, 40

L6 ANSWER 2 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2009:494884 BIOSIS
DOCUMENT NUMBER: PREV200900495987
TITLE: Apoptotic affect of Ubiquinone precursors in melanoma.
AUTHOR(S): Persaud, Indushekhar [Reprint Author]; McCook, John P.;

Alarcon, Maria E.; Bhangu, Thara; Cepero, Maria; Narain, Niven R.
CORPORATE SOURCE: Univ Miami, Miami, FL USA
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (APR 2009) Vol. 50, pp. 794. Meeting Info.: 100th Annual Meeting of the American-Association-for-Cancer-Research. Denver, CA, USA. April 18 -22, 2009. Amer Assoc Canc Res. ISSN: 0197-016X.
DOCUMENT TYPE: Conference; (Meeting) Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 19 Aug 2009 Last Updated on STN: 19 Aug 2009

L6 ANSWER 5 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2008:225822 BIOSIS
DOCUMENT NUMBER: PREV200800223735
TITLE: Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells.
AUTHOR(S): Schallreuter, Karin U. [Reprint Author]; Rokos, Hartmut; Chavan, Bhaven; Gillbro, Johanna M.; Cemeli, Eduardo; Zothner, Carsten; Anderson, Diana; Wood, John M.
CORPORATE SOURCE: Univ Bradford, Dept Biomed Sci, Bradford BD7 1DP, W Yorkshire, UK K.Schailreuter@Bradford.ac.uk
SOURCE: Free Radical Biology & Medicine, (FEB 15 2008) Vol. 44, No. 4, pp. 538-546. CODEN: FRBMEH. ISSN: 0891-5849.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Mar 2008 Last Updated on STN: 26 Mar 2008
AB Quinones are potentially dangerous substances generated from quinols via the intermediates serniquinone and hydrogen peroxide. Low serniquinone radical concentrations are acting as radical scavengers while high concentrations produce reactive oxygen species and quitiones, leading to oxidative stress, apoptosis, and/or DNA damage. Recently it was recognised that thioredoxin reductase/thioredoxin (TR/T) reduces both p- and o-quinones. In this report we examine additional reduction mechanisms for p- and o-quinones generated from hydroquinone (HQ) and coenzyme Q10 and by 17 beta-estradiol by the common cofactor 6(R)-L-erythro-5,6,7,8-tetrahydrobiopterin (6BH(4)). Our results confirmed that TR reduces the p-quinone 1,4 benzoquinone and coenzyme Q10-quinone back to HQ and coenzyme Q10-quinol, respectively, while 6BH(4) has the capacity to reduce coenzyme Q10-quinone and the o-quinone produced from 17 beta-estradiol. 6BH4 is present in the cytosol and in the nucleus of epidermal melanocytes and keratinocytes as well as melanoma cells and colocalises with TR/T. Therefore we conclude that both mechanisms are major players in the prevention of quinone-mediated oxidative stress and DNA damage. (c) 2007 Published by Elsevier Inc.

L6 ANSWER 6 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2008:37303 BIOSIS
DOCUMENT NUMBER: PREV200800040964
TITLE: Clinical complete long-term remission of a patient with metastatic malignant melanoma under therapy with indisulam (E7070).
AUTHOR(S): Baur, Martina; Gneist, Margit; Owa, Takashi; Dittrich, Christian [Reprint Author]

CORPORATE SOURCE: Kaiser Franz Josef Spital, Ctr Oncol and Haematol, Ludwig Boltzmann Inst Appl Canc Res, Dept Med 3, Kundratstr 3, A-1100 Vienna, Austria
christian.dittrich@wienkav.at
SOURCE: Melanoma Research, (OCT 2007) Vol. 17, No. 5, pp. 329-331. ISSN: 0960-8931.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Dec 2007
Last Updated on STN: 27 Dec 2007

AB The objective of this study is to report on long-term survival of a patient with metastatic melanoma treated with indisulam showing a distinct genetic pattern of repression of subsets of genes involved in mitochondrial energy metabolism. Gene expression profiling was performed with oligonucleotide microarray analysis. A 45-year-old patient with metastatic malignant melanoma was treated in third-line with indisulam (goal, E7070), a new chloroindolylsulphonamide cell-cycle inhibitor. The patient was treated weekly with a dose of 40 mg/m(2) within a phase 1 study. On the basis of an amendment, the dose was escalated to 320 mg/m(2) at maximum and de-escalated to 160 mg/m(2) for long-term application in this individual patient. At the start of treatment the tumour burden consisted of two-intransit-metastases, two further skin lesions, two cervical lymph nodes and four pulmonary metastases. Under a 2.5year treatment with indisulam the tumour shrunk markedly although the objective response only reached stable disease. Lymph node biopsy revealed absence of vital melanoma cells. Therapy was stopped upon request of the patient. The gene expression profile indicated a profound transcriptional repression of subsets of genes involved in mitochondrial energy metabolism; namely NDUFB8, NDUFS1, NDUFV1, ACADVL and Homo sapiens clone 24408. The survival of this patient with metastatic melanoma lasted now 9 years, the progression-free interval 105 months. It can be assumed that this treatment effect is attributed to the down-regulating effect of indisulam on metabolic genes involved in energy production. Thus, knowledge on individual's tumour gene regulation may predict sensitivity and resistance to antiturnoural agents.

L6 ANSWER 7 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2007:425471 BIOSIS
DOCUMENT NUMBER: PREV200700424290
TITLE: Recombinant interferon alpha-2b and coenzyme Q(10) as a postsurgical adjuvant therapy for melanoma: a 3-year trial with recombinant interferon-alpha and 5-year follow-up.
AUTHOR(S): Rusciani, Luigi; Proietti, Ilaria; Paradisi, Andrea [Reprint Author]; Rusciani, Antonio; Guerriero, Giuseppe; Mammone, Alessia; De Gaetano, Andrea; Lippa, Silvio
CORPORATE SOURCE: Univ Cattolica Sacro Cuore, Dept Dermatol, Lgo A Gemelli 8, I-00168 Rome, Italy
aparad@tin.it
SOURCE: Melanoma Research, (JUN 2007) Vol. 17, No. 3, pp. 177-183. ISSN: 0960-8931.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 8 Aug 2007
Last Updated on STN: 8 Aug 2007

AB Early surgical intervention remains the most successful therapy for melanoma. Despite better outcomes observed in soft tissue and lymph node metastases, the results of pharmacological therapies are still disappointing. Currently, there is no standard adjuvant therapy for melanoma. Low concentrations of coenzyme Q(10) have been demonstrated in melanoma cell lines and in sera of melanoma patients.

These data and the results of clinical trials of patients with other advanced cancers prompted this study of the long-term administration of an optimized dose of recombinant interferon alpha-2b and coenzyme Q(10) to patients with stage I and II melanoma. A 3-year trial envisaging uninterrupted treatment with low-dose recombinant interferon alpha-2b (9 000 000 000 IU weekly) administered twice daily and coenzyme Q(10) (400 mg/day) was conducted in patients with stage I and II melanoma (American Joint Committee on Cancer criteria 2002) and surgically removed lesions. Treatment efficacy was evaluated as incidence of recurrences at 5 years. All patients completed the treatment and the follow-up. Significantly different rates of disease progression were observed in the interferon + coenzyme Q(10) and the interferon group for both stages. No patient withdrew from the study owing to side effects. Long-term administration of an optimized dose of recombinant interferon alpha-2b in combination with coenzyme Q(10) seemed to induce significantly decreased rates of recurrence and had negligible adverse effects. A survival study could not be undertaken owing to the small patient sample and the short duration of follow-up. Melanoma Res 17:177-183 (C) 2007 Lippincott Williams & Wilkins.

L6 ANSWER 8 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2006:584351 BIOSIS
DOCUMENT NUMBER: PREV200600594977
TITLE: Attenuation of tumor angiogenesis in routine melanoma model using liposomal formulation of Coenzyme Q10.
AUTHOR(S): Persaud, Indushekhar [Reprint Author]; Narain, Niven R.; Woan, Winston; Russell, Kathryn J.; Malik, Lindsey J.; Ricotti, Carlos A.; Li, Jie; Elgart, George; Hsia, Sung L.
CORPORATE SOURCE: Univ Miami, Miami, FL 33152 USA
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (APR 2006) Vol. 47, pp. 230.
Meeting Info.: 97th Annual Meeting of the American-Association-for-Cancer-Research (AACR). Washington, DC, USA. April 01 -05, 2006. Amer Assoc Canc Res.
ISSN: 0197-016X.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 8 Nov 2006
Last Updated on STN: 8 Nov 2006

L6 ANSWER 10 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2005:405818 BIOSIS
DOCUMENT NUMBER: PREV200510197637
TITLE: Coenzyme Q10 attenuates angiogenesis in melanoma.
AUTHOR(S): Narain, N. R. [Reprint Author]; Elgart, G. W.; Persaud, I.; Woan, K. V.; Russell, K. J.; Malik, L. H.; Li, J.; Hsia, S. L.
CORPORATE SOURCE: Univ Miami, Miller Sch Med, Miami, FL 33152 USA
SOURCE: Journal of Investigative Dermatology, (APR 2005) Vol. 124, No. 4, Suppl. S, pp. A24.
Meeting Info.: 66th Annual Meeting of the Society-for-Investigative-Dermatology. St Louis, MO, USA. May 04 -07, 2005. Soc Investigat Dermatol.
CODEN: JIDEAE. ISSN: 0022-202X.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 12 Oct 2005

Last Updated on STN: 12 Oct 2005

L6 ANSWER 11 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2005:319513 BIOSIS
DOCUMENT NUMBER: PREV200510114908
TITLE: Coenzyme Q10 induces apoptosis in human melanoma cells.
AUTHOR(S): Narain, N. R. [Reprint Author]; Li, J.; Woan, K. V.; Russell, K. J.; Ochoa, M. S.; Persaud, I.; Fenjves, E. S.; Hsia, S. L.
CORPORATE SOURCE: Univ Miami, Sch Med, Diabet Res Inst, Miami, FL USA
SOURCE: Journal of Investigative Dermatology, (MAR 2004) Vol. 122, No. 3, pp. A160.
Meeting Info.: 65th Annual Meeting of the Society-for-Investigative-Dermatology. Providence, RI, USA. April 28 -May 01, 2004. Soc Investigat Dermatol.
CODEN: JIDEAE. ISSN: 0022-202X.
DOCUMENT TYPE: Conference; (Meeting)
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Aug 2005
Last Updated on STN: 28 Apr 2010

L6 ANSWER 12 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2005:319512 BIOSIS bad date
DOCUMENT NUMBER: PREV200510114907
TITLE: Topical formulation of coenzyme Q10 inhibits the growth of melanoma tumors.
AUTHOR(S): Narain, N. R. [Reprint Author]; Li, J.; He, J.; Malik, L. H.; Russell, K. J.; Woan, K. V.; Persaud, I.; Hsia, S. L.
CORPORATE SOURCE: Univ Miami, Sch Med, Miami, FL USA
SOURCE: Journal of Investigative Dermatology, (MAR 2004) Vol. 122, No. 3, pp. A160.
Meeting Info.: 65th Annual Meeting of the Society-for-Investigative-Dermatology. Providence, RI, USA. April 28 -May 01, 2004. Soc Investigat Dermatol.
CODEN: JIDEAE. ISSN: 0022-202X.
DOCUMENT TYPE: Conference; (Meeting)
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Aug 2005
Last Updated on STN: 28 Apr 2010

L6 ANSWER 13 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:390480 BIOSIS bad date
DOCUMENT NUMBER: PREV200400390557
TITLE: Coenzyme Q10 inhibits the proliferation of oncogenic cells while stabilizing growth in primary cells in vitro.
AUTHOR(S): Narain, N. R. [Reprint Author]; Li, J.; Russell, K. J.; Woan, K. V.; He, I.; Persaud, I.; Ricotti, C. A.; Fenjves, E. S.; Hsia, S. L.
CORPORATE SOURCE: Sch MedDiabet Res Inst, Univ Miami, Miami, FL, 33152, USA
SOURCE: Journal of Investigative Dermatology, (March 2004) Vol. 122, No. 3, pp. A28. print.
Meeting Info.: The 65th Annual Meeting of the Society for Investigative Dermatology. Providence, Rhode Island, USA. April 28-May 01, 2004. Society for Investigative Dermatology.
ISSN: 0022-202X (ISSN print).
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English
ENTRY DATE: Entered STN: 6 Oct 2004
Last Updated on STN: 6 Oct 2004

L6 ANSWER 18 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 1996:497149 BIOSIS
DOCUMENT NUMBER: PREV199699219505
TITLE: Alteration of antioxidants in normal melanocytes from patients with melanoma.
AUTHOR(S): Picardo, M. [Reprint author]; Grammatico, P.; Maresca, V. [Reprint author]; Roccella, M.; Roccella, R.; Passi, S.
CORPORATE SOURCE: San Gallicano Dermatol. Inst., Rome, Italy
SOURCE: Pigment Cell Research, (1996) Vol. 0, No. SUPPL. 5, pp. 30-31.
Meeting Info.: XVITH International Pigment Cell Conference. Anaheim, California, USA. October 29-November 3, 1996.
CODEN: PCREEA. ISSN: 0893-5785.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Nov 1996
Last Updated on STN: 5 Nov 1996

L6 ANSWER 19 OF 41 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
ACCESSION NUMBER: 1996:463395 BIOSIS
DOCUMENT NUMBER: PREV199699185751
TITLE: Imbalance in the antioxidant pool in melanoma cells and normal melanocytes from patients with melanoma.
AUTHOR(S): Picardo, Mauro [Reprint author]; Grammatico, Paola; Roccella, Francesca; Roccella, Maria; Grandinetti, Mauro; Del Porto, Giuseppe; Passi, Siro
CORPORATE SOURCE: San Gallicano Dermatol. Inst., Via San Gallicano 25/a, I-00153 Rome, Italy
SOURCE: Journal of Investigative Dermatology, (1996) Vol. 107, No. 3, pp. 322-326.
CODEN: JIDEAE. ISSN: 0022-202X.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 11 Oct 1996
Last Updated on STN: 11 Oct 1996
AB In order to evaluate the free radical defense systems of melanocytes and their possible correlation with melanoma, we have studied in cultured normal human melanocytes (20), normal melanocytes from melanoma patients (15), and melanoma cells (40) the fatty acid pattern of membrane phospholipids as a target of peroxidative damage and the superoxide dismutase and catalase activities, vitamin E, and ubiquinone levels as intracellular antioxidants. Cells were cultured in the same medium and analyzed at III or IV passage. Compared to the values obtained in normal human melanocytes, melanoma cells showed on average: a) higher levels of polyunsaturated fatty acids, b) increased superoxide dismutase and decreased catalase activities, higher vitamin E, and lower ubiquinone levels. Among the normal melanocytes from melanoma patients studied, two groups were differentiated: a) cultures (7) with enzymatic and non-enzymatic antioxidants level similar to those of normal human melanocytes; b) cultures (8) with antioxidant patterns similar to those observed in melanoma cells. Polyunsaturated fatty acids were also increased in the latter group. The results indicate that in melanoma cells and in a percentage of normal melanocytes from melanoma patients, an imbalance in the antioxidant system can be detected that can lead to

endogenous generation of reactive oxygen species and to cellular incapability of coping with exogenous peroxidative attacks. These alterations could be correlated with the malignant transformation of cells and with the progression of the disease.

L6 ANSWER 26 OF 41 MEDLINE on STN
ACCESSION NUMBER: 2008083533 MEDLINE
DOCUMENT NUMBER: PubMed ID: 17997383
TITLE: Quinones are reduced by 6-tetrahydrobiopterin in human keratinocytes, melanocytes, and melanoma cells.
AUTHOR: Schallreuter Karin U; Rokos Hartmut; Chavan Bhaven; Gillbro Johanna M; Cemeli Eduardo; Zothner Carsten; Anderson Diana; Wood John M
CORPORATE SOURCE: Department of Biomedical Sciences, University of Bradford, Bradford, BD7 1DP, UK. K.Schallreuter@Bradford.ac.uk
SOURCE: Free radical biology & medicine, (2008 Feb 15) Vol. 44, No. 4, pp. 538-46. Electronic Publication: 2007-11-12. Journal code: 8709159. ISSN: 0891-5849. L-ISSN: 0891-5849.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE) (RESEARCH SUPPORT, NON-U.S. GOV'T)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200803
ENTRY DATE: Entered STN: 5 Feb 2008
Last Updated on STN: 7 Mar 2008
Entered Medline: 6 Mar 2008
AB Quinones are potentially dangerous substances generated from quinols via the intermediates semiquinone and hydrogen peroxide. Low semiquinone radical concentrations are acting as radical scavengers while high concentrations produce reactive oxygen species and quinones, leading to oxidative stress, apoptosis, and/or DNA damage. Recently it was recognised that thioredoxin reductase/thioredoxin (TR/T) reduces both p- and o-quinones. In this report we examine additional reduction mechanisms for p- and o-quinones generated from hydroquinone (HQ) and coenzyme Q10 and by 17beta-estradiol by the common cofactor 6(R)-L-erythro-5,6,7,8-tetrahydrobiopterin (6BH(4)). Our results confirmed that TR reduces the p-quinone 1,4 benzoquinone and coenzyme Q10-quinone back to HQ and coenzyme Q10-quinol, respectively, while 6BH(4) has the capacity to reduce coenzyme Q10-quinone and the o-quinone produced from 17beta-estradiol. 6BH(4) is present in the cytosol and in the nucleus of epidermal melanocytes and keratinocytes as well as melanoma cells and colocalises with TR/T. Therefore we conclude that both mechanisms are major players in the prevention of quinone-mediated oxidative stress and DNA damage.

L6 ANSWER 40 OF 41 MEDLINE on STN
ACCESSION NUMBER: 1967081708 MEDLINE
DOCUMENT NUMBER: PubMed ID: 5225398
TITLE: Ubiquinone concentrations in some tumour-bearing tissues. Ubiquinone concentrations in tumours and some normal tissues in man.
AUTHOR: Chipperfield B
SOURCE: Nature, (1966 Mar 19) Vol. 209, No. 5029, pp. 1207-8. Journal code: 0410462. ISSN: 0028-0836. L-ISSN: 0028-0836.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 196703

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ENTRY DATE:         Entered STN: 1 Jan 1990
                    Last Updated on STN: 1 Jan 1990
                    Entered Medline: 18 Mar 1967
OS.CITING REF COUNT: 1    There are 1 MEDLINE records that cite this record


=> d his

     (FILE 'HOME' ENTERED AT 15:18:16 ON 23 MAY 2011)

     FILE 'REGISTRY' ENTERED AT 15:18:30 ON 23 MAY 2011
L1            1 S COENZYME Q10/CN

     FILE 'CAPLUS' ENTERED AT 15:20:55 ON 23 MAY 2011
L2           17 S L1 AND MELANOMA

     FILE 'BIOSIS, MEDLINE' ENTERED AT 15:31:13 ON 23 MAY 2011
L3         7822 S COENZYME (A) Q?
L4        17037 S UBIQUINONE OR UBIDECARENONE OR UBIQUINOL OR UBISEMIQUINONE
L5        21419 S L3 OR L4
L6           41 S L5 AND MELANOMA
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